

WHAT IS CLAIMED IS:

1. A sheet feeding apparatus comprising:

a first detector for detecting presence/absence of a sheet;

5 a second detector capable of being electrically switched between a detection possible condition that the presence/absence of the sheet can be detected and a detection impossible condition that the presence/absence of the sheet cannot be detected; and

10 a controller for changing said second detector to the detection impossible condition even when said first detector is in a detection possible condition.

2. An original feeding apparatus comprising:

15 a first detector for detecting presence/absence of an original;

a second detector capable of being electrically switched between a detection possible condition that the presence/absence of the original can be detected and a detection impossible condition that the presence/absence of the original cannot be detected; and

20 a controller for changing said second detector to the detection impossible condition even when said first detector is in a detection possible condition.

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3. An original feeding apparatus according to

claim 2, further comprising an original tray on which the original is rested, and wherein said first detector detects whether the original is rested on said original tray or not.

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4. An original feeding apparatus according to claim 3, further comprising a discharge tray on which the original fed from said original tray and subjected to image reading is rested, and a convey path through
10 which the original is conveyed from said original tray to said discharge tray, and wherein said second detector is provided in said convey path.

5. An original feeding apparatus according to
15 claim 2, wherein said controller changes said second detector to the detection possible condition in response to the fact that presence of the original is detected by said first detector.

20 6. An original feeding apparatus according to claim 5, further comprising a discharge tray on which the original fed from said original tray and subjected to image reading is rested, and wherein, after said second detector is changed to the detection possible
25 condition, said controller changes said second detector to the detection impossible condition in response to the fact that absence of the original is detected by

said first detector before an image reading operation is started.

7. An original feeding apparatus according to
5 claim 5, further comprising a discharge tray on which
the original fed from said original tray and subjected
to image reading is rested, and wherein, after said
second detector is changed to the detection possible
condition, said controller changes said second detector
10 to the detection impossible condition in response to
the fact that all originals rested on said original
tray are discharged onto said discharge tray.

8. An original feeding apparatus according to
15 claim 2, wherein said second detector includes a light
emitting element and a light receiving element, and
said controller stops light emitting of said light
emitting element when it changes said second detector
to the detection impossible condition.

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9. An original feeding apparatus according to
claim 2, wherein said second detector includes a light
emitting element and a light receiving element, and
said controller reduces a light emitting amount of said
25 light emitting element when it changes said second
detector to the detection impossible condition.

10. An original feeding apparatus according to claim 2, further comprising a third detector for detecting an opening/closing condition of said original feeding apparatus, and wherein said third detector
5 always detects the opening/closing condition regardless of the detection of the original by means of said first detector and informs an image forming apparatus of a detected result.

10 11. An original feeding apparatus according to claim 2, wherein said first detector includes a light emitting element and a light receiving element.

15 12. An original feeding apparatus according to claim 11, wherein said light emitting element is an LED and said light receiving element is a phototransistor.